What is Claimed: Body function measuring apparatus comprising: a housing; first and second identical sensors spaced apart in said housing 3 and adapted for contact with generally the same area of skin for developing 4 first and second body function signals, respectively; and 5 means responsive to said first body function signal and said 6 second body function signal for: 7 developing an indication of the body function at the skin (a) 8 with which said first sensor and said second sensor are in 9 contact, and 10 detecting a difference between the rate of change of said (b) 11 first body function signal and the rate of change of said second 12 body function signal which exceeds a predetermined threshold 13 representing a difference/in the proximity of said first sensor to 14 the skin and the proximity of said second sensor to the skin. 15 Body function measuring apparatus according to claim 1 further including means responsive to said first body function signal and said 2 second body function signal for detecting a difference between said first body 3 function signal and said second body function signal which exceeds a 4 predetermined threshold representing a failure of one of said first sensor and 5 said second sensor. 6 Body function measuring apparatus according to claim 1 further including a flexible substrate on which said first sensor and said 2 second sensor are mounted. 3

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1	Å.	Body function measuring apparatus according to claim 2	
2	wherein said substrate has:		
3	(a)	first and second lands on which said first sensor and said	
4	sec	ond sensor, respectively, are mounted, and	
5	(b)	a neck extending between said first land and said second	
6	land and having a width narrower than the width of said first		
7	lan	d and said second land.	
1 /	Jub (12) 5.	Skin temperature measuring apparatus comprising:	
2 /2) (a h	ousing;	
3		st and second identical thermistors spaced apart in said	
4	housing and ada	pted for contact with generally the same area of skin for	
5	developing first	and second temperature signals, respectively; and	
6	me	ans responsive to said first temperature signal and said	
7	second temperat	re signal for:	
8	(a)	developing an indication of the temperature at the skin	
9	wi	h which said first therm stor and said second thermistor are	
10		contact, and	
11	(b)	detecting a difference between the rate of change of said	
12	fir	st temperature signal and the rate of change of said second	
13	ten	nperature signal which exceeds a predetermined threshold	
14	rep	resenting a difference in the proximity of said first	
15	the	rmistor to the skin and the proximity of said second	
16	the	rmistor to the skin.	
	. 2)		
1	1, 6.	Skin température measuring apparatus according to claim	
2	•	ng means responsive to said first temperature signal and said	
3	second temperature signal for detecting a difference between said first		

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4	temperature signal and said second temperature signal which exceeds a	
5	predetermined threshold representing a failure of one of said first thermistor	
6	And said second thermistor.	
1 V	Skin temperature measuring apparatus according to claim Surfurther including a flexible substrate on which said first thermistor and said	
second thermistor are mounted.		
1	Skin temperature measuring apparatus according to claim wherein said substrate has:	
wherein said substrate has:		
3	(a) first and second lands on which said first thermistor and	
4	said second thermistor, respectively, are mounted, and	
5	(b) a neck extending between said first land and said second	
6	land and having a width narrower than the width of said first	
7	land and said second land.	